

BULLFROG SPAS PRE-DELIVERY & ELECTRICAL GUIDE

BEST PRACTICES FOR A SAFE, SMOOTH DELIVERY & RELIABLE PERFORMANCE

1 PREPARING YOUR SPA FOR DELIVERY



- 1 Path is reasonably flat.
(Dolly can go over grass, gravel and dirt.)



- 2 Path and final location opening must be at least:

- 3' 6" wide minimum
- "9' long minimum.*

*M9 and A9 will require up to 12' if the delivery requires the spa to be put on its short side.



- 3 Spa will rest no more than 4 feet off the ground.



- 4 Electrical is complete and up to code.



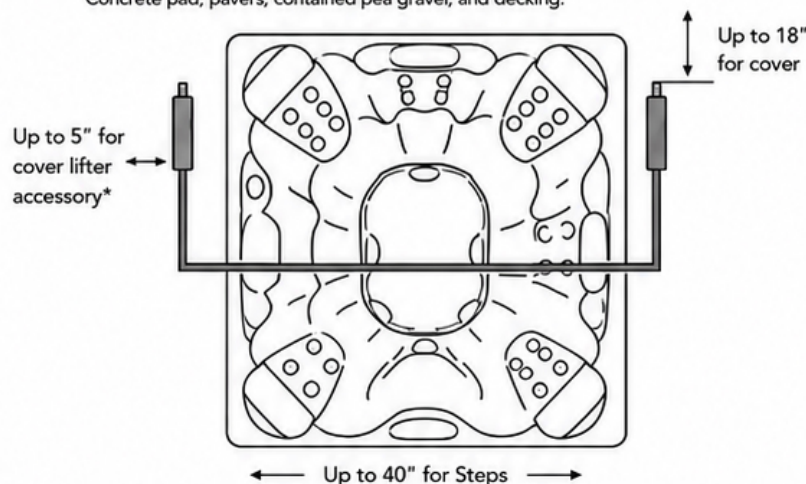
NOTE: Additional charges may apply if standard delivery criteria is not met.

2 CHOOSING A LOCATION

A level, poured concrete slab at least 4 inches thick is recommended for the base of your spa, but other surfaces may also be acceptable. **DO NOT** use shims to level your spa.

COMMON SURFACE CHOICES:

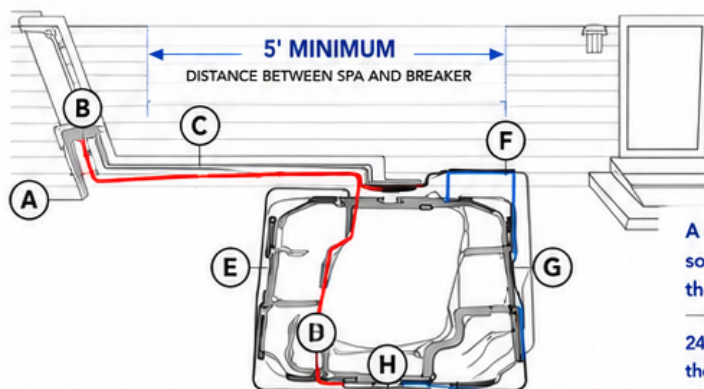
Concrete pad, pavers, contained pea gravel, and decking.



* This is for a Covermate I™ Cover Lifter bar. Ask sales associate for other lifter options and clearance needed.

3 POWER REQUIREMENTS & BEST PRACTICES

- A Supply line (50 amp) (60 amps for A9L, M9 and M8 Models)
- B Spa disconnect/breaker with GFCI
- C Consult electrician on what conduit to use.
- D Example of optional stub up location (underneath the spa). Refer to your Owner's Manual for exact location.
- E Electrical chase way option built into your hot tub (Left)
- F Electrical chase way option built into your hot tub (Back)
- G Electrical chase way option built into your hot tub (Right)
- H Hard wire connection inside of spa



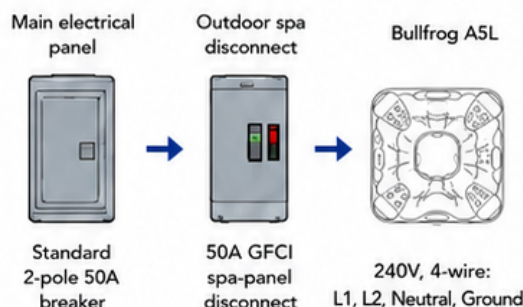
A GFCI is required somewhere within the electrical line.

240V~ term refers to the 220-240 range of voltage.

RECOMMENDED DISCONNECT & BREAKER SETUP

- Best shutoff / disconnect: Square D QO 50-amp GFCI spa panel — model QOE250GFNIM
- Combines the required disconnect and 2-pole GFCI breaker in a weather-resistant NEMA 3R enclosure.
- **Breaker in the house panel:** use a standard 2-pole 50A breaker that exactly matches your main electrical panel.
- Example: Square D QO panel → QO250
- Do not install a different brand of breaker just because it physically fits. The breaker must be listed for that specific panel.

RECOMMENDED ARRANGEMENT (TYPICAL)



BULLFROG GUIDANCE

- ✓ Bullfrog specifies a dedicated, GFCI-protected, 240V, 50A, four-wire circuit.
- ✓ Disconnect must be within sight of the spa equipment and at least 5 feet from the inside wall of the spa.
- ✓ Use copper conductors and size them for the run length, conduit type, and local code.



Use a dedicated 240V circuit with GFCI protection.



Follow your Owner's Manual for exact stub-up location and wiring diagram.



All electrical work must be performed by a licensed electrician and meet local code.



Do not remove the spa cover until you have a qualified technician.

BULLFROG SPAS ELECTRICAL WIRE PLANNING & BEST PRACTICES

MODEL-BASED WIRE LENGTH STEPS, INSTALLATION NOTES & A FINAL CHECKLIST

4 ELECTRICAL WIRE LENGTH – HOW TO CALCULATE



STEP 1: Measure the distance of 1 (GFCI box to ground).
Enter number of feet in first box below.



STEP 2: Measure the distance of 2 (GFCI to spa).
Enter number of feet in second box below.



STEP 3: Add Box 1 and Box 2 to get the length of wire in feet needed from GFCI to spa.



STEP 4: Find your spa model in the Pre-Delivery Guide, decide where the front of the spa will be, and determine which chase-way you will use.



STEP 5: Add the chase-way length to the wire length from Step 3 to get total length of wire needed.

5 TOTAL LENGTH OF WIRE NEEDED

CHASE-WAY
LENGTH

(from model chart)



①

LENGTH OF WIRE
FROM STEP 3

(GFCI to spa)



②

TOTAL LENGTH
OF WIRE NEEDED

(feet)



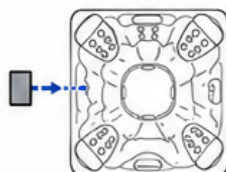
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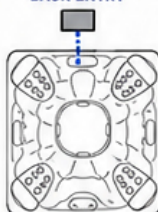
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MODEL & CHASE-WAY NOTES

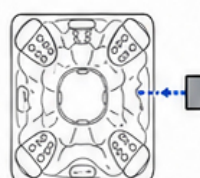
LEFT ENTRY



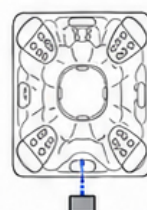
BACK ENTRY



RIGHT ENTRY



STUB-UP ENTRY



Spas can have the electrical entry (stub-up) on the Left, Back, Right, or as a Stub-Up.



Refer to your Owner's Manual / Pre-Delivery Guide for exact chase-way lengths and stub-up location for your specific model.



A5L / X5L compact models use model-specific chase-way and stub-up measurements. Verify the exact side and entry point before pulling wire.

BEST PRACTICES

- ✓ Use copper conductors only.
- ✓ #6 AWG copper is a common best-practice choice for 50A spa circuits, especially on longer runs or where voltage drop is a concern.
- ✓ A properly installed short run of #8 copper THHN/THWN-2 may be acceptable when permitted by the electrician, equipment terminations, and local code.
- ✓ Use a 4-wire circuit: L1, L2, Neutral, Ground.
- ✓ Use THHN/THWN-2 in conduit for wet locations.
- ✓ Torque all terminals to manufacturer specifications.
- ✓ Keep all connections clean, tight and dry.
- ✓ Have a licensed electrician inspect and test the circuit before first use.

FINAL INSTALLATION CHECKLIST

- ☐ Dedicated 240V circuit installed
- ☐ 50A GFCI spa disconnect installed
- ☐ Main-panel breaker matches the electrical panel
- ☐ Disconnect is within sight of the spa and at least 5 feet from the inside wall
- ☐ Copper conductors sized for distance and code
- ☐ Conduit and fittings rated for the location
- ☐ Voltage verified before startup
- ☐ Spa cover remains on until qualified technician start-up



IMPORTANT REMINDERS



Follow your Owner's Manual for exact stub-up location.



All electrical work must be performed by a licensed electrician and meet local code.



Bullfrog specifies a dedicated GFCI-protected 240V circuit.



Confirm wiring before energizing the spa.